

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A medical device, comprising:

an elongate core member having a longitudinal axis, wherein the core member includes a solid cross-sectional portion having a solid, non-hollow cross-section taken perpendicular to the longitudinal axis;

a polymer jacket affixed to at least a portion of the solid cross-sectional portion of the core member, the polymer jacket having a textured outer surface having a first diameter; and

wherein the textured outer surface ~~is defined by~~ includes a helical groove having a second diameter, less than the first diameter, formed in the outer surface of the polymer jacket, the helical groove defined by one or more edges extending between the first diameter of the outer surface and the second diameter of the helical groove, the one or more edges being rounded.

2. (Original) The medical device of claim 1, further comprising a coating disposed over the polymer jacket.

3. (Cancelled)

4. (Original) The medical device of claim 1, wherein the polymer jacket is free of a coil.

5. (Original) The medical device of claim 1, wherein the helical groove is positioned proximally of a distal tip of the medical device.

6. (Currently Amended) An intravascular guidewire, comprising:

an elongate core member having a proximal end region and a distal end region, the distal end region having a solid, non-hollow cross-section taken perpendicular to a longitudinal axis of the elongate core member;

a polymer jacket affixed to the distal end region of the core member, the polymer jacket having a textured outer surface; and

wherein the textured outer surface is defined by a helical channel formed in the outer surface of the polymer jacket, wherein the helical channel includes a distal end, the distal end of the helical channel being disposed proximal of a distal end of the polymer jacket.

7. (Original) The guidewire of claim 6, further comprising a coating disposed over the polymer jacket.

8. (Original) The guidewire of claim 6, wherein the helical channel has rounded edges.

9. (Original) The guidewire of claim 6, wherein the polymer jacket is free of a coil.

10. (Original) The guidewire of claim 6, wherein the textured outer surface of the polymer jacket is positioned proximally a distance from a distal end of the polymer jacket.

11. (Previously Presented) The guidewire of claim 10, wherein the textured outer surface is positioned about 2 to about 20 centimeters from the distal end of the polymer jacket.

12-32. (Cancelled)

33. (Currently Amended) A medical guidewire, comprising:
a solid, non-hollow elongate core member having a proximal region and a distal region;
a polymer jacket affixed to the distal region of the elongate core member, the polymer jacket having an outer surface, wherein a helical channel, defined by one or more rounded edges, is formed in the outer surface of the polymer jacket; and
a coating disposed over the polymer jacket.

34. (Cancelled)

35. (Currently Amended) A medical guidewire comprising:
an elongate core member having a proximal region and a distal region, the distal region of the elongate core member including a tapered diameter portion; and
a polymer jacket affixed to at least a portion of the tapered diameter portion of the distal region of the elongate core member;
wherein the polymer jacket has a textured outer surface defined by a helical groove formed in the outer surface of the polymer jacket, wherein the helical channel includes a distal end, the distal end of the helical channel being disposed proximal of a distal end of the polymer jacket.

36. (Previously Presented) The medical guidewire of claim 35, wherein the distal region of the elongate core member includes a constant diameter portion.

37. (Previously Presented) The medical guidewire of claim 36, wherein the polymer jacket is disposed over at least a portion of the constant diameter portion of the distal region of the elongate core member.

38. (Previously Presented) The medical guidewire of claim 37, further comprising a coating disposed over the polymer jacket.